

109/991053
U.S.P.T.O.
11/21/01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

FIRST-NAMED INVENTOR: Shimkets

FOR: Novel Nucleic Acid Sequences Encoding Human Slit-, MEGF-, and Roundabout-like Polypeptides

Assistant Commissioner for Patents
Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT AND ACCOMPANYING
FORM PTO-1449**

Applicants submit herewith copies of modified PTO-1449 forms submitted in parent application USSN 09/520,781 from which the presently filed application claims priority. Copies of the references listed therein are not enclosed but will be provided upon request. Applicants request that each of the listed documents be made of record in the presently filed application.

This information disclosure statement is being submitted concurrently with the filing of the application. Accordingly, no fee is believed due. However, the Commissioner is authorized to charge any fees due, or credit overpayments of same, to Deposit Account No. 50-0311, Ref. No. 15966-540 CON-S10 (Cura-40 CON-S10).

Respectfully submitted,

Dated: November 21, 2001

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Express Mail Label No.: EK6146586US
Date of Deposit: August 4, 2000

PATENT APPLICATION
Attorney Docket No. 15966-540 (Cura-40)

ic997 U.S. PTO
09/991053
11/21/01

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PTO SB (12-97)

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Modified Form 1449/PTO		Application Number	09/520,781
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Filing Date	March 8, 2000
		First Named Inventor	Shimkets
		Group Art Unit	1646
		Examiner Name	Not Yet Assigned
		Attorney Docket Number	15966-540 (Cura-40)

U.S. PATENT DOCUMENTS

Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
A1							

FOREIGN PATENT DOCUMENTS

Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No
	B1	EP 913471-A2	SmithKline Beecham Corporation	5/6/99	
	B2	WO 98/39441-A1	Incyte Pharmaceutical, Inc.	9/11/98	
	B3	WO 98/27205-A2	Genetics Institute, Inc.	6/25/98	
	B4	WO 99/27094-A2	Sagami Chemical Research Center	6/3/99	
	B5	WO 98/33910-A1	Incyte Pharmaceutical, Inc.	8/6/98	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C1	Artigiani et al. (1999). "Plexins, semaphorins, and scatter factor receptors: a common root for cell guidance signals?" <u>IUBMB Life</u> 48(5): 477-82.
	C2	Chen et al. (2000). "Embryonic expression and extracellular secretion of Xenopus slit." <u>Neuroscience</u> 96(1): 231-6.
	C3	Normura et al., (2000) "Prediction of the Coding Sequences of Unidentified Human Genes. I. The Coding Sequences of 40 New Genes (KIAA0001 - KIAA0040) Deduced by Analysis of Randomly Sampled cDNA Clones From Human Immature Myeloid Cell Line KG-1" <u>DNA Res.</u> 1: 27-35. <u>GenBank, Accession Number Q15391</u> , 02/15/00.
	C4	Diarra-Mehrpor et al., (2000) "Human Plasma Inter-Alpha-Trypsin Inhibitor is Encoded by Four Genes on Three Chromosomes." <u>Eur. J. Biochem</u> 179: 147-154. <u>GenBank, Accession Number X14690</u> , 07/14/95
	C5	Fortkamp et al., (1986) "DNA Sequence Encoding A Hirudin-Like Protein and Process for Preparing Such Protein" <u>WO 86/03517A1</u> <u>GenBank, Accession Number A00633</u> , 01/28/93.
	C6	MacDonald et al., (1995) "H. sapiens CpG island DNA genomic Mse1 fragment, clone 90b5, reverse read cpg90b5.rtl" <u>Direct Submission</u> . <u>GenBank, Accession Number Z63792</u> , 10/22/95.
	C7	MacDonald et al., (1995) "H. sapiens CpG island DNA genomic Mse1 fragment, clone 90b7, reverse read cpg90b7.rtl" <u>Direct Submission</u> . <u>GenBank, Accession Number Z63794</u> , 10/22/95.
	C8	Holmes et al., (1998) "Distinct But Overlapping Expression Patterns of Two Vertebrate Slit Homologs Implies Functional Roles in CNS Development and Organogenesis." <u>Mech. Dev.</u> 79: 57-72, <u>GenBank, Accession Number AAD04309</u> , 03/04/99.

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C9	Oberthur et al., (1982) "Hemoglobins, XLVII. Hemoglobins of the Bar-Headed Goose (<i>Anser Indicus</i>): Primary Structure and Physiology of Respiration, Systematic and Evolution." <u>Hoppe-Seyler's Z. Physiol. Chem.</u> 363: 581-590. <u>GenBank, Accession Number HBGSI</u> , 11/14/97.
	C10	Gendler et al., (1988) "A Highly Immunogenic Region of a Human Polymorphic Epithelial Mucin Expressed by Carcinomas is Made Up of Tandem Repeats." <u>J. Biol. Chem.</u> 263: 12820-12823. <u>GenBank, Accession Number A28938</u> , 06/18/93.
	C11	Arnold, (1989) "nifF protein (AA 1-176) [Klebsiella pneumoniae]" <u>Direct Submission. GenBank, Accession Number CAA31680</u> , 02/10/99.
	C12	The et al., (1992) "Molecular Characterization and Structural Organization of D-elg, ad Ets Proto-Oncogene-Related gene of Drosophila." <u>Oncogene</u> 7: 2471-2478. <u>GenBank, Accession Number X68259</u> , 01/15/93.
	C13	Johnson, (1990) "A31R protein - vaccinia virus (strain Copenhagen)" <u>Direct Submission. GenBank, Accession Number F42520</u> , 04/08/94.
	C14	Kleinschmidt et al., (1989) "The Primary Structure of Pale-Throated Three-Toed Sloth (<i>Bradypus tridactylus</i> , <i>Xenarthra</i>) Hemoglobin." <u>Biol. Chem. Hoppe-Seyler</u> 370: 303-308. <u>GenBank, Accession Number HBOWP</u> , 11/14/97.
	C15	Ershler et al., (1992) "Identification of New Protein Kinase Genes, Similar to Kinases of the CDC2 Family and Expressed in Murine Hematopoietic Stem Cells." <u>Dokl. Adad. Nauk.</u> 324: 893-897. <u>GenBank, Accession Number CAA46200</u> , 11/14/95.
	C16	Both et al., (1984) "Nucleotide Sequence of the DSRNA Genomic Segment 7 of Simian 11 Rotavirus." <u>Nucl. Acids Res.</u> 12:1621-1626. <u>GenBank, Accession Number MNXR4S</u> , 07/16/99.
	C17	Scherrer, (1991) "Prosomal p27K protein [<i>Homo sapiens</i>]" <u>Direct Submission. GenBank, Accession Number CAA42052</u> , 07/23/93.
	C18	Alonso et al., (1987) "CDNA Cloning and Sequence of MAL, a Hydrophobic Protein Associated with Human T-Cell Differentiation." <u>Proc. Natl. Acad. Sci. USA</u> 84: 1997-2001. <u>GenBank, Accession Number P21145</u> , 02/15/00.
	C19	Yuan et al. (1999). "The mouse SLIT family: secreted ligands for ROBO expressed in patterns that suggest a role in morphogenesis and axon guidance." <u>Dev Biol</u> 212(2): 290-306.

* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. _____, filed _____, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

Examiner Signature		Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.

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JC997 U.S. PTO
 09/991053
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FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 15966-540 (Cura-40)	SERIAL NO. 09/520,781
NOVEL POLYNUCLEOTIDES AND PROTEINS ENCODED THEREBY		APPLICANT Shimkets, et al	
		FILING DATE March 8, 2000	GROUP 1632

U.S. PATENT DOCUMENTS

Exam Init	Ref Des	Document No.	Date	Name	Class	Sub Class	FILING DATE If Appropriate

FOREIGN PATENT DOCUMENTS

		Country & Doc. No. (11)	Pub. Date (43)		Class	Sub Class	Translation Yes No
	B1	WO 9630406	10/3/96	Human Genome Sciences, Inc.			

OTHER ART

(Including Author, Title, Date, Pertinent Pages, Publication, Etc.)

	C1	Shirozu et al., 1996. "Characterization of novel secreted and membrane proteins isolated by the signal sequence trap method." Genomics 37: 273-280.
	C2	Jacobs et al., 1997. "A genetic selection for isolating cDNAs encoding secreted proteins." Gene 198: 289-296.
	C3	Kopczynski et al., 1998. "A high throughput screen to identify secreted and transmembrane proteins involved in Drosophila embryogenesis." Proc. Natl. Acad. Sci. USA 95: 9973-9978.
	C4	PCT International Search Report for PCT/US 00/ 06280 (July 20, 2000)

* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. _____, filed _____, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.

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